

WHAT IS CLAIMED IS:

1. A data processing system comprising a main terminal device having one or more functions, and a sub terminal device connected to the main terminal device and performs data communications therewith, wherein the main terminal device comprises:

a data storing unit that stores various types of data, and enables the sub terminal device to recognize the data storing unit as an external storage device so as to enable the sub terminal device to be accessible to the data storing unit;

a request storage commanding unit that receives commands from an external source and stores request data in the data storing unit, the request data being generated from the main terminal device for requesting the sub terminal device to generate implementation data required for implementing one or more functions; and

a function implementing unit that executes a process to implement a function based on the implementation data when the implementation data is transmitted from the sub terminal device following a command by the request storage commanding unit, and wherein the sub terminal device comprises:

a data generating unit that generates the implementation data when the request data is stored in the

data storing unit; and

an implementation data transmitting unit that transmits the implementation data generated by the data generating unit to the main terminal device.

5 2. The data processing system according to claim 1, wherein the implementation data transmitting unit transmits the implementation data generated by the data generating unit to the main terminal device and directs the implementation data to be stored in the data storing unit,
10 and the function implementing unit executes a process to implement the function based on the implementation data when the implementation data transmitted from the sub terminal device is stored in the data storing unit.

 3. The data processing system according to claim 1,
15 wherein the sub terminal device further comprises a request deleting unit that deletes the request data stored in the data storing unit after the data generating unit generates the implementation data.

 4. The data processing system according to claim 2,
20 wherein the main terminal device further comprises an implementation data deleting unit that deletes the implementation data stored in the data storing unit after the function implementing unit executes the process to implement the function.

25 5. The data processing system according to claim 1,

wherein the main terminal device further comprises:

an image communicating unit that transmits and receives image data via a network; and

5 a printing unit that prints various images on a recording medium,

wherein the request storage commanding unit stores the request data with the image data attached to the request data in the data storing unit when the image data is received by the image communicating unit, the implementation
10 data being print data converted from the image data and having a data format that is printable by the printing unit, the request data being data for requesting generation of the implementation data; and

the function implementing unit executes a printing
15 process for images indicated by the print data by controlling the printing unit to print the images based on the implementation data when the implementation data is received from the sub terminal device after the command by the request recording command unit; and

20 wherein the data generating unit generates converted image data by converting the image data attached to the request data to a data format requested by the request data when the request data is stored in the data storing unit.

6. The data processing system according to claim 1,
25 wherein the main terminal device is connected to a network

and performs data communications therewith, the main terminal device further comprising:

5 a data acquiring unit that receives commands from an external source outside the main terminal device and acquires external data inputted from the external source; and

an external storage commanding unit that stores the external data acquired by the data acquiring unit in the data storing unit;

10 wherein the request storage commanding unit stores the request data with the external data attached to the request data in the data storing unit after the external data is stored in the data storing unit, the implementation data being data converted from the external data and having a data format that is transferable to the network, the request
15 data being data for requesting generation of the implementation data; and

the function implementing unit implements data communications in the data format by transmitting the
20 implementation data via the network when the implementation data is transmitted from the sub terminal device after issuance of the command by the request storage commanding unit; and

the data generating unit generates converted external
25 data converted from the external data attached to the

implementation data to the data format requested by the request data when the request data is stored in the data storing unit.

5 7. The data processing system according to claim 6, wherein the main terminal device further comprises transmission specifying unit that prompts a user to specify external data to be transmitted via the network from among external data acquired by the data acquiring unit,

10 wherein the request storage commanding unit stores the request data in the data storing unit when the external data has been specified by the transmission specifying unit.

15 8. The data processing system according to claim 6, wherein the main terminal device has a function for implementing a voice call based on voice signals inputted and outputted via the network; and

the data acquiring unit receives commands from an external source and begins and ends the acquisition of voice signals inputted and outputted via the network as the external data.

20 9. The data processing system according to claim 6, wherein the data acquiring unit receives user operations and scans a prescribed image to acquire image data as the external data; and

25 the request storage commanding unit stores the request data in the data storing unit when the external data is

stored in the data storing unit.

10. The data processing system according to claim 6, wherein the request data is data for requesting that the external data be converted to a compressed data format.

5 11. A terminal device for use in combination with a sub terminal device and having one or more functions, the sub terminal device being connected in use to the terminal device and performing data communications therewith, the terminal device comprising:

10 a data storing unit that stores various types of data, and enables the sub terminal device to recognize the data storing unit as an external storage device so as to enable the sub terminal device to be accessible to the data storing unit;

15 a request storage commanding unit that receives commands from an external source and stores request data in the data storing unit, the request data being generated from the main terminal device for requesting the sub terminal device to generate implementation data required for
20 implementing one or more functions; and

a function implementing unit that executes a process to implement a function based on the implementation data when the implementation data is transmitted from the sub terminal device following a command by the request storage
25 commanding unit, and wherein the sub terminal device

generates the implementation data when the request data is stored in the data storing unit and transmits the implementation data to the terminal device.

5 12. A terminal device connected to a main terminal unit and performing data communications therewith, wherein the main terminal device has one or more functions, the terminal device comprising:

 a data generating unit that generates implementation data; and

10 an implementation data transmitting unit that transmits the implementation data generated by the data generating unit to the main terminal device, wherein the main terminal device stores various types of data, the sub terminal device being accessible to the data stored in the
15 main terminal device, the main terminal device receives commands from an external source and stores the request data, the request data being generated from the main terminal device for requesting the terminal device to generate the implementation data required for implementing one or more
20 functions, and the main terminal device executes a process to implement a function based on the implementation data when the implementation data is transmitted from the terminal device following a command.

25 13. A storage medium that stores a program for controlling a main terminal device and a sub terminal device

connected in use to each other so as to be capable of performing data communications therebetween, the program comprising:

5 a program of enabling the sub terminal device to recognize a data storing unit of the main terminal device as an external storage device so as to enable the sub terminal device to be accessible to the data storing unit;

10 a program of receiving commands from an external source and storing request data in the data storing unit, the request data being generated from the main terminal device for requesting the sub terminal device to generate implementation data required for implementing one or more functions of the main terminal;

15 a program of generating the implementation data in the sub terminal device in response to the request data; and

a program of executing a process to implement a function of the main terminal device based on the implementation data generated by the sub terminal.

20 14. A storage medium that stores a program for controlling a main terminal device and a sub terminal device connected in use to each other so as to be capable of performing data communications therebetween, the program comprising:

25 a program of generating request data in the main terminal device for requesting the sub terminal device to

generate implementation data required for implementing a function of the main terminal device;

a program of generating implementation data in the sub terminal device;

5 a program of transmitting the implementation data from the sub terminal device to the main terminal device; and

a program of executing a process to implement the function of the main terminal device based on the implementation data after the program of transmitting the
10 implementation data is executed.